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Earth leakage breaker

Derwent Title:

Original Title:

☒ KR2041973A: EARTH LEAKAGE BREAKER

Assignee:

LG ELECTRONICS INC Standard company

Other publications from [LG ELECTRONICS INC \(GLDS\)](#)...

Inventor:

OH C M;

Accession/

2002-757186 / 200282

Update:

H01H 71/00 ;

IPC Code:

Derwent Classes:

X13;

Manual Codes:

X13-C01B(Earth fault current or potential) , X13-D05(Protective switches actuated by abnormal electrical conditions other than solely by excess)

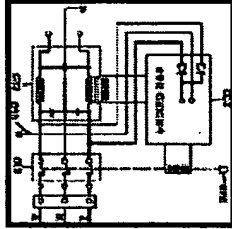
Derwent

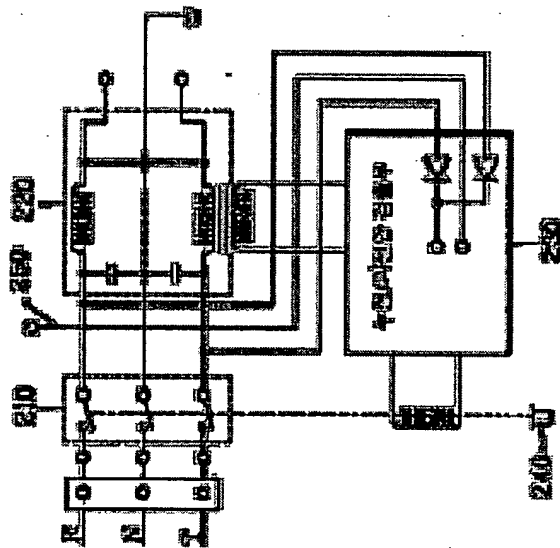
Abstract:

(KR2041973A) **Novelty** - An earth leakage breaker is provided to improve the safety of the earth leakage breaker by employing a line filter.

Detailed Description - A relay switch(210) breaks power in current leakage or over voltage. A line filter(220) eliminates noise from the power inputted through the relay switch(210) and detects leakage current. A leakage/over voltage detecting unit(230) detects whether the inputted power is over voltage or not, and electromotive force induced on an inductor of the line filter(220) in order to detect leakage current generation, in case of detecting the leakage current or over voltage, operates the relay switch(210) to break the inputted power. The line filter(220) is an EMI(electromagnetic interference) filter for eliminating COMMON MODE noise.

Images:





Dwg. 1/10

Family:

Patent Pub. Date Derwent Update Pages Language IPC Code
☒ KR2041973A * 2002-06-05 200282 1 English H01H 71/00
Local appls.: KR2000000071653 Filed:2000-11-29 (2000KR-0071653)

Priority Number:

Application Number	Filed	Original Title
KR2000000071653	2000-11-29	EARTH LEAKAGE

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24/09/2004

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